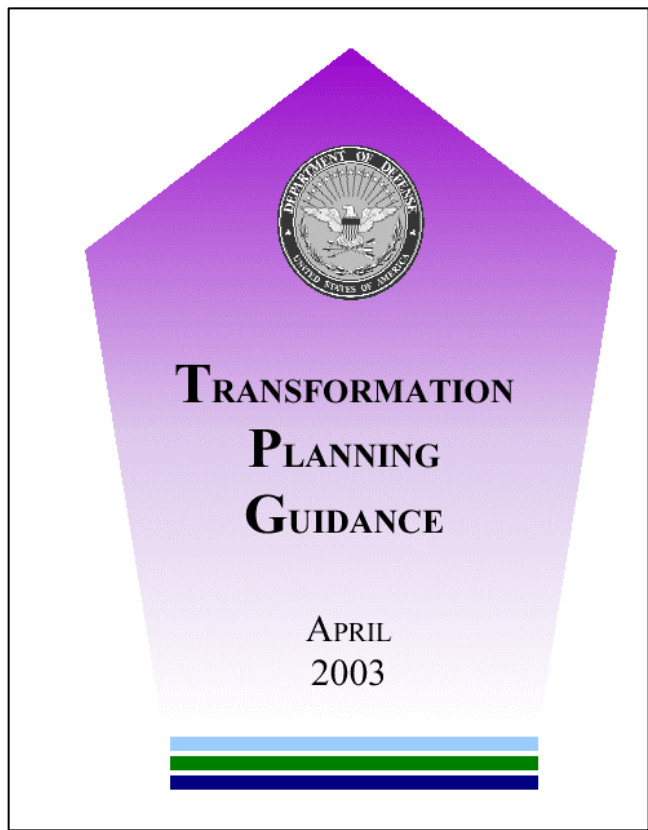




# ***JOINT FIRES AND EFFECTS TRAINER SYSTEM (JFETS)***



# Transformation Planning Guidance



## Transforming Joint Warfighting

*"...the outcome we must achieve: **fundamentally joint**, network-centric, distributed forces capable of rapid decision superiority and **massed effects**..."*

## Transforming Joint Training

*"... **training** enables the warfighter to maximize the potential of technologically advanced platforms ...we must **transform our training** in the same way we transform the rest of the force."*

**The Transformation of Joint Fires and Effects is Happening Now!**



# CURRENT FIRES AND EFFECTS

## Operations Enduring Freedom and Iraqi Freedom

... demonstrated the **warfighting potential** of **Integrated Joint Fires!**

... And that **complex military operations** must be trained:

- ✓ Coordinating **Joint Attack of Targets**
- ✓ Synchronizing **fires with maneuver**
- ✓ Land Fires to Support **Aviation**
- ✓ Synergistic **Fires and Effects**
- ✓ **Time Sensitive Targeting**
- ✓ **Deconfliction** of Fires

We currently rely on service component schools to inform on service capabilities, and train component elements of the joint fires team



**The Joint Force Will Require Training on the Integration, Coordination and Application of Joint Fires**



# JOINT FIRES AND EFFECTS TRAINING AT FORT SILL

OIF AND OEF  
LESSONS LEARNED

SENSOR-SHOOTER  
INTEGRATION

17,682  
Sorties



Quanah Range

JOINT NETWORKED FIRES

LINKAGE TO JAGCE  
AND COMBAT TRAINING CENTERS

**GREATER POTENTIAL  
FOR OPERATIONAL FIRES**

JOINT CLOSE AIR SUPPORT

## TACTICAL INTEGRATION OF FIRES

ESTABLISHED RANGE  
COMPLEXES

TRAINING AT INDIVIDUAL  
AND BATTALION LEVEL

JOINT POWER PROJECTION  
PLATFORMS

AN ESTABLISHED NETWORK  
AND TRAINING FACILITIES/ENVIRONMENT

Altus, Tinker,  
Sheppard



Training Agreements  
With USAF Bases

100  
Instructors



USMC Cadre

Euro/NATO  
Flight  
Training

4,257  
Sorties



USAF and USMC Air Support  
Integrated Into Classes

2,000 Trained  
Annually



All USMC Artillery Training

**A Foundation for Joint Fires and Effects Integration Training**



# TRANSFORMATION OF JOINT FIRES TRAINING

STATE OF THE ART  
SIMULATIONS FOR FIRES  
INTEGRATION TRAINING

PRODUCE THE UNIVERSAL  
OBSERVER

JOINT  
FIRES AND EFFECTS  
INTEGRATION TRAINING CENTER

CONTINUALLY INTEGRATE LESSONS LEARNED

LEVERAGING JOINT  
LETHAL AND NON-LETHAL FIRES AND EFFECTS  
FOR BATTLEFIELD DOMINANCE

NETWORKED LETHALITY

ESTABLISHING INTEGRATED TRAINING FOR SERVICES  
AND THE JOINT FORCE  
ON FIRES AND EFFECTS FOR THE NEXT CONFLICT

FOCUS ON JOINT FIRES  
AND EFFECTS TRAINING



ICT - INSTITUTE FOR  
CREATIVE TECHNOLOGIES -  
VIRTUAL SYSTEMS FOR  
JOINT FORCE TRAINING

**Fort Sill... a Joint Training Center For Fires and Effects Integration**



# JOINT FIRES AND EFFECTS TRAINER SYSTEM (JFETS)

Joint Training Center for Fires  
and Effects Integration



*FOCUSED ON INDIVIDUAL AND BATTLE  
STAFF TRAINING AT TACTICAL LEVEL*



Joint Fires and Effects Trainer  
System (JFETS)

EXPERIENTIAL  
VIRTUAL TRAINING

LINKED TO  
SIMULATIONS TO  
REPLICATE EFFECTS

*PRODUCE AN UNIVERSAL  
OBSERVER FOR...ANY EFFECT  
... ANY ENVIRONMENT*

POTENTIAL FOR LIVE  
FIRE OUTCOMES



REPLICATE AURAL  
AND VISUAL  
CONDITIONS

IMMERSIVE AND  
ADAPTABLE  
VIRTUAL  
ENVIRONMENT

*COLLECTIVE TRAINING OF FIRES  
INTEGRATION FOR BATTLESTAFFS*  
- ALL SERVICES  
- JOINT AND MULTINATIONAL  
- SPECIAL OPERATIONS

**JFETS – Transformational Training for Joint Fires and Effects Integration**





# JOINT FIRES AND EFFECTS TRAINER SYSTEM (JFETS)



A cooperative effort between the **Institute for Creative Technologies (ICT)** and **The U.S. Army Field Artillery Center** to create a Joint Fires and Effects Training capability

**(AAR) After Action Report Module** The AAR provides the trainee with a synopsis of the training session in any one of the modules where he participates

**(OTM) Open Terrain Module** The Universal Observer must master the skills necessary to sense high-payoff targets and engage the adversary with an appropriate mix of Joint fires and effects

**AAR**

**OTM**



**UTM**

**FECM**

**EEA**

**(UTM) Urban Terrain Module** Employment of fires and effects in urban terrain is the most challenging. The requirement to limit collateral damage and non-combatant casualties places tremendous demands on the observer

**(FECM) Fires and Effects Command Module** The FECM trains commanders and battle staffs to plan and coordinate the application of lethal and non-lethal Joint capabilities. The FECM enables Joint, Interagency and Multinational Fires and Effects coordination and integration

**(EEA) Entry Exhibit Area** The EEA provides a welcome area for visitors and trainees to receive initial briefings on the use of the facility

**JFETS – Any Observer, Any Effect, in Any Environment**